

Additional file 2: List of candidate markers selected by manual curation of published data and text.

	abbr.	protein/ factor	PMID	immuno-modulatory	tumori genesis
1	ADA	adenosine deaminase	[49]		x
2	ADM	adrenomedullin	[23]		x
3	ANG-1	angiopoietin-1	[50]		x
4	Ast	angiostatin	[62]		x
5	BDNF	brain-derived neurotrophic factor	[62]		x
6	bFGF	basic fibroblast growth factor	[63]		x
7	BLBP	brain lipid-binding protein	[51]		x
8	BMP1	bone morphogenetic protein 1	[52]		x
9	BMP2	bone morphogenetic protein 2	[62]		x
10	CCND1	cyclin D1 protein	[62]		x
11	CD9	cluster of differentiation 9	[62]	x	
12	CD40	cluster of differentiation 40	[63]	x	
13	CD40L	cluster of differentiation 40L	[63]	x	
14	CDH 19	cadherin 19, type 2	[63]		x
15	CDH 2	n-cadherin (neural)	[63]		x
16	CDH 3	P-cadherin (placental)	[62]		x
17	CDH11	cadherin 11 (OB-cadherin, Osteoblast)	[62]		x
18	CDH12	cadherin 12 (N-Cadherin, type2)	[62]		x
19	CIII	collagen type III	[63]		x
20	CVIa3	collagen type VIa3	[49]		x
21	CVIIa1	collagen type VIIa1	[49]		x
22	CX3CL1	fractalkine	[63]	x	
23	CXI	collagen type XI	[62]		x
24	EDN1	endothelin	[63]		x
25	EGF	epidermal growth factor	[62]		x
26	EGF R	epidermal growth factor receptor	[50]		x
27	FAS	FAS	[52]		x
28	FAS R	FAS receptor	[62]		x
29	FGF R2	fibroblast growth factor receptor 2	[52]		x
30	FGF R3	fibroblast growth factor receptors 3	[52],[50]		x
31	FGF R4	fibroblast growth factor receptors 4	[52]		x
32	FGF1	fibroblast growth factor acidic	[62]		x
33	FGF2	fibroblast growth factor 2 (basic)	[50]		x
34	FGF4	fibroblast growth factor 4	[52]		x
35	FGF5	fibroblast growth factor 5	[63]		x
36	FGF7	fibroblast growth factor 7	[50]		x
37	FGFR-7	fibroblast-growth-factor receptor 7	[62]		x
38	FN	fibronectin	[62]		x
39	GDNF	<i>glial cell line-derived neurotrophic factor</i>	[53]		x
40	Gli1	glioma-associated oncogene homolog 1	[54]		x

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41	GROα	growth-regulated alpha protein	[50]		x
42	HGF	hepatocyte growth factor	[50]		x
43	I-309	I-309	[62]	x	
44	IFNγ	<i>interferon, gamma</i>	[55]	x	
45	IGF-1R	insulin-like growth factor receptor 1	[52]		x
46	IGF2	insulin-like growth factor 2	[52]		x
47	IGF-2R	insulin-like growth factor receptor 2	[52]		x
48	IGFBP-1	insulin-like growth factor-binding protein 1	[56]		x
49	IGFBP-2	insulin-like growth factor-binding protein 2	[62]		x
50	IGFBP3	insulin-like growth factor binding protein 3	[62]		x
51	IGFBP-4	<i>insulin-like growth factor-binding protein 4</i>	[57]		x
52	IGFBP-6	<i>insulin-like growth factor binding protein 6</i>	[49]		x
53	IGF-I	insulin-like growth factor 1	[52]		x
54	IL-10	<i>interleukin 10</i>	[62]	x	
55	IL-12 p70	<i>interleukin 12p70</i>	[62]	x	
56	IL-12p40	interleukin 12p40	[62]	x	
57	IL-1b	<i>interleukin 1b</i>	[52]	x	
58	IL-3	interleukin 3	[52]	x	
59	IL-3R	interleukin 3 receptor	[52]	x	
60	IL-4	<i>interleukin 4</i>	[29]	x	
61	IL-6	<i>interleukin 6</i>	[58]	x	
62	IL-8	<i>interleukin 8</i>	[50]	x	
63	IP-10	<i>interferon gamma-induced protein 10</i>	[62]	x	
64	ITG alpha V	integrin alpha V (CD51)	[52],[50]	x	
65	ITGB 1	integrin β 1 (CD29)	[52]		x
66	KRT18	cytokeratin 18	[49]		x
67	LIF	leukemia inhibitory factor	[62]		x
68	MCP-1	<i>monocyte chemotactic protein-1</i>	[62]	x	
69	MIA	melanoma inhibitory activity	[21]		x
70	MIF	macrophage migration inhibitory factor	[62]	x	
71	MIG	<i>monokine induced by IFNγ</i>	[62]	x	
72	MK	<i>midkine</i>	[20]		x
73	MMP9	<i>matrix metalloproteinase-9</i>	[54]		x
74	MMP13	matrix metalloproteinase-13	[59]		x
75	MPHF-1	myeloid progenitor inhibitory factor-1	[62]	x	
76	NAP-2	neutrophil-activating protein-2	[62]	x	
77	NCAM (CD56)	neural cell adhesion molecule	[62]	x	
78	NRP1	neuropilin-1	[50]		x
79	NGF R	nerve growth factor receptor	[62]		x
80	OPG	osteoprotegerin	[63]	x	

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81	OPN	osteopontin	[50]		x
82	PARC (MIP-2)	pulmonary and activation-regulated chemokine	[63]	x	
83	PDGF-AB	platelet-derived growth factor AB	[52],[50]		x
84	PDGF-BB	<i>platelet-derived growth factor BB</i>	[63]		x
85	PDGFRa	platelet-derived growth factor receptor a	[50]		x
86	PIGF	placenta growth factor	[50]		x
87	RANTES	regulated upon activation, normal T-cell expressed, and secreted	[62]	x	
88	SCF	stem cell factor	[20]		
89	SDF-1	<i>stromal cell-derived factor-1</i>	[62]		x
90	sgp130	soluble glucoprotein 130	[63]	x	
91	ShhN	sonic hedgehog	[54]		x
92	SIVA-1	CD27-binding (Siva) protein	[62]	x	
93	SPARC	secreted protein acidic and rich in cysteine	[50] ,[52]		x
94	survivin	survivin	[49]		x
95	TGFβ1	transforming growth factor beta 1	[52]	x	
96	TGFα	transforming growth factor α	[63]	x	
97	Tie-1	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	[62]	x	
98	Tie-2	tyrosine kinase with immunoglobulin-like and EGF-like domains 2	[62]	x	
99	TIMP-1	tissue inhibitor of matrix metalloproteinase 1	[50]		x
100	TIMP-2	tissue inhibitor of matrix metalloproteinase 2	[50]		x
101	TNC	tenascin C	[49],[60]		x
102	TNF-α	tumor necrosis factor α	[50],[52]	x	
103	TNF-R1	tumor necrosis factor α receptor	[52]	x	
104	TNXB	tenascin XB	[60]		x
105	TRAIL R2	TNF-related apoptosis-inducing ligand receptor 2	[54]		x
106	TRAIL R3	TNF-related apoptosis-inducing ligand receptor 3	[63]		x
107	TRAIL R4	TNF-related apoptosis-inducing ligand receptor 4	[63]		x
108	TSP-1	thrombospondin 1	[63]		x
109	TYMS	thymidylate synthase	[63]		x
110	u PAR	urokinase receptor	[50]		x

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111	uPA	urokinase	[46]		x
112	VCAM-1	vascular cell adhesion protein 1	[61]	x	
113	VEGF	vascular endothelial growth factor	[44]		x
114	VEGFR3	vascular endothelial growth factor receptor 3	[52]		x
115	WWOX	WW containing oxidoreductase	[59]		x